

Clark Fork River Basin Task Force

2011 Water Outlook Meeting

Doubletree Hotel

April 26, 2011

DNRC State Water Projects

Reservoir Storage Outlook

Western Montana

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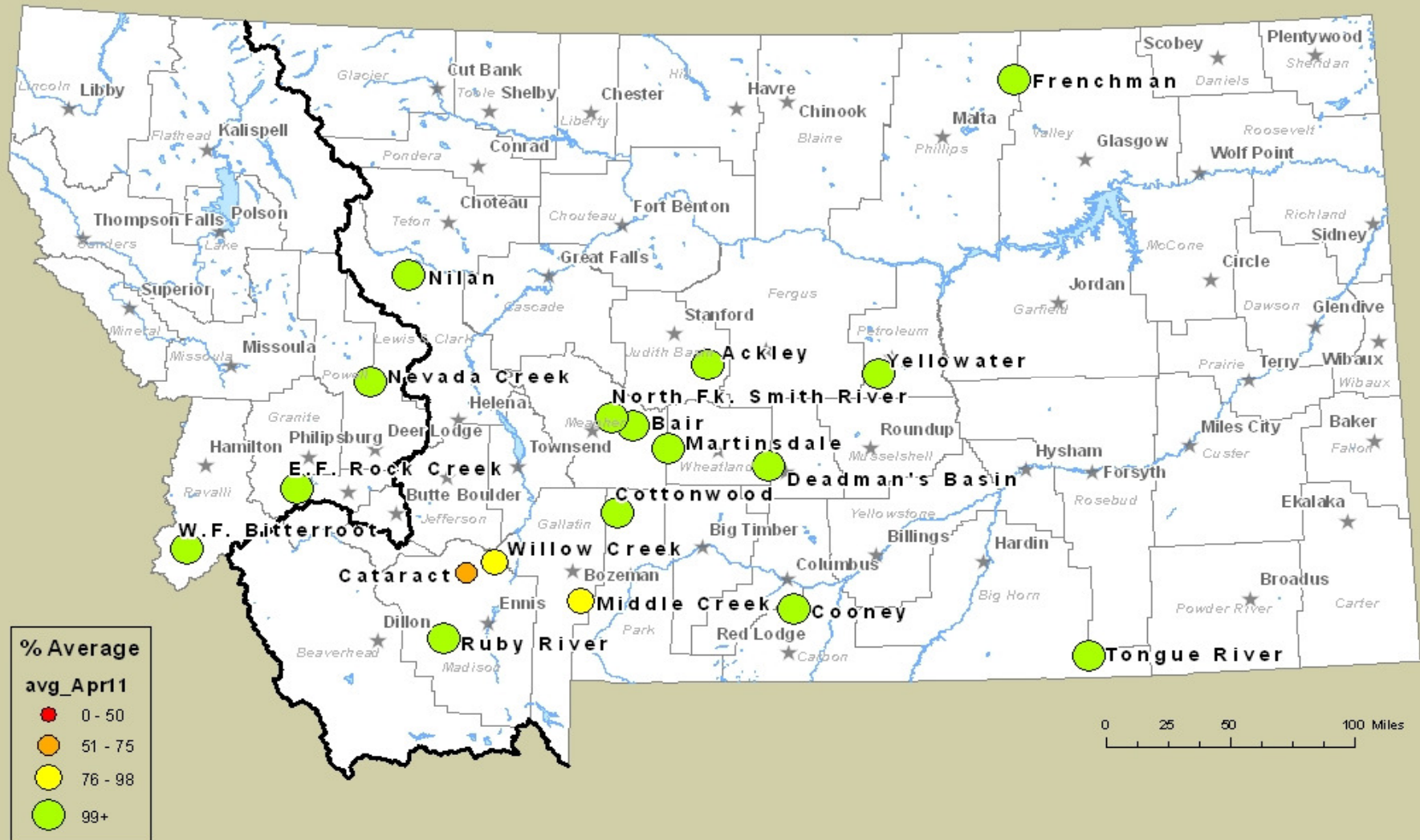


DNRC State Water Projects Bureau

Western Montana Reservoirs

- East Fork of Rock Creek Dam
- Fred Burr Dam
- Nevada Creek Dam
- Painted Rocks Dam

Reservoir Contents Report April 18, 2011



East Fork of Rock Creek Dam

A photograph of the East Fork of Rock Creek Dam. The dam is a long, low structure made of stone or concrete, stretching across the middle of the frame. In the center of the dam, there is a small, square concrete structure with a dark roof, possibly a gate or a small building. The water is calm and blue, reflecting the sky. In the background, there is a dense forest of evergreen trees on a hillside. The sky is overcast with grey clouds. In the foreground, there are some bare, thin branches of trees.

Total Capacity: 16,040 Acre Feet (AF)
Location: 14 miles SW of Phillipsburg Mt.
Operated By: The Flint Creek Water Users Association

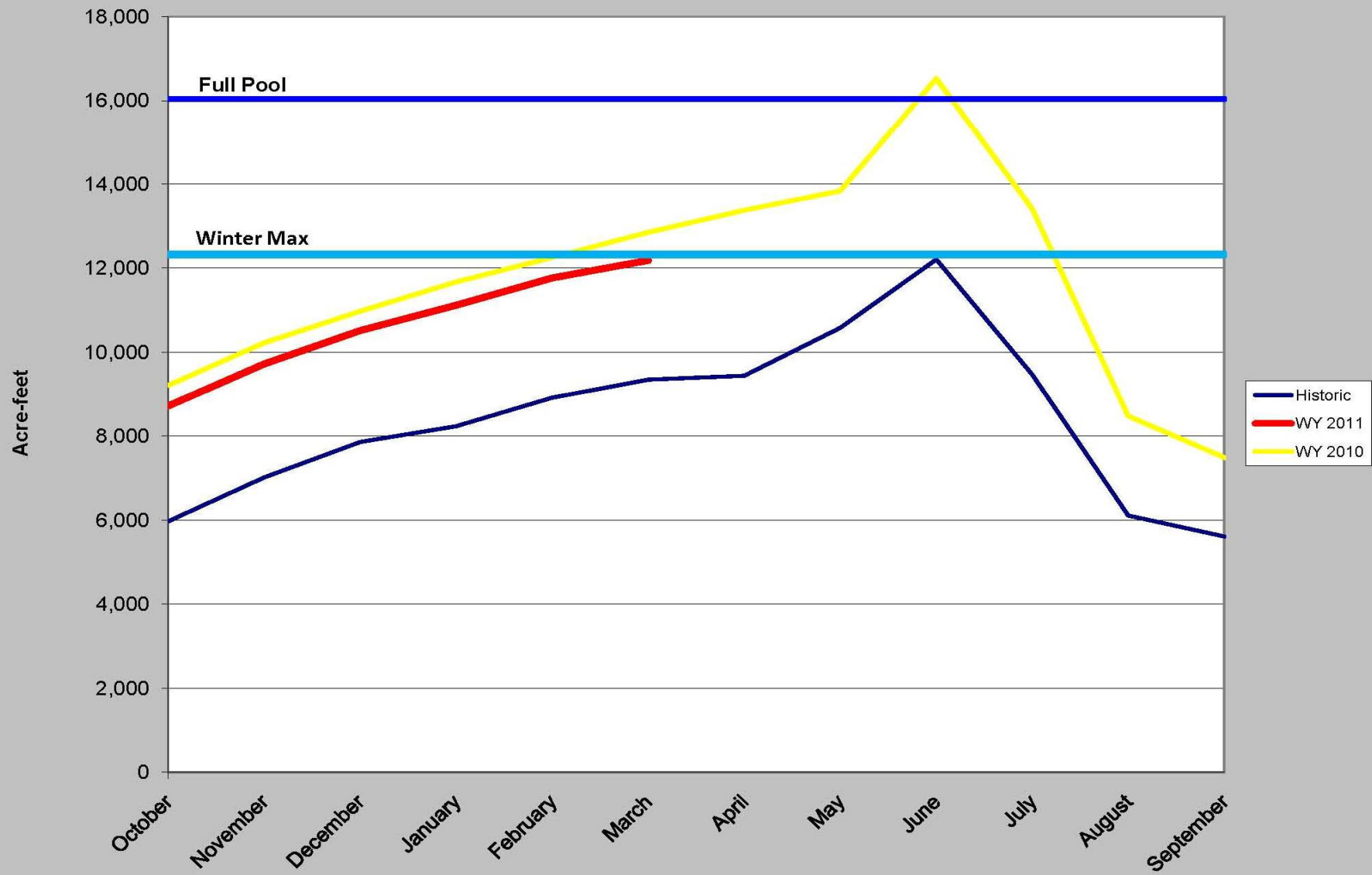
East Fork of Rock Creek Dam

Reservoir Surface Area: 390 acres at full pool

Provides supplemental irrigation water to 25,000 acres in the Flint Creek Valley

East Fork Rock Creek Reservoir

(Historic, WY 2010, and WY 2011)



Fred Burr Dam

Total Capacity: 516 AF
Location: 10 miles NW of Hamilton Mt.
Operated By: The Fred Burr Water Users
Association

2007/07/07

A photograph of a calm reservoir nestled in a mountain valley. The water is still, reflecting the surrounding green forest and the snow-capped peaks of the mountains in the background. The sky is overcast. In the foreground, a rocky shoreline is visible on the left, and a concrete structure with wooden planks is on the right.

Fred Burr Dam

Reservoir Surface Area: 28 acres at full pool

Provides supplemental irrigation water for 860 acres in the Fred Burr drainage.

A photograph of the Nevada Creek Dam, a concrete structure with a central spillway where water is cascading down. The dam is flanked by grassy embankments and surrounded by evergreen trees under a blue sky with scattered white clouds.

Nevada Creek Dam

Total Capacity:	11,207 AF
Location:	12 miles SE of Helmville, Mt.
Operated By:	The Nevada Creek Water Users Association

An aerial photograph of the Nevada Creek Dam and Reservoir. The reservoir is a large, irregularly shaped body of water with a greenish-blue hue, situated in a valley. A long, straight road or levee runs along the left side of the reservoir. The surrounding landscape is a mix of dry, brownish-yellow hills and dense green coniferous forests. In the background, more mountains are visible under a clear sky.

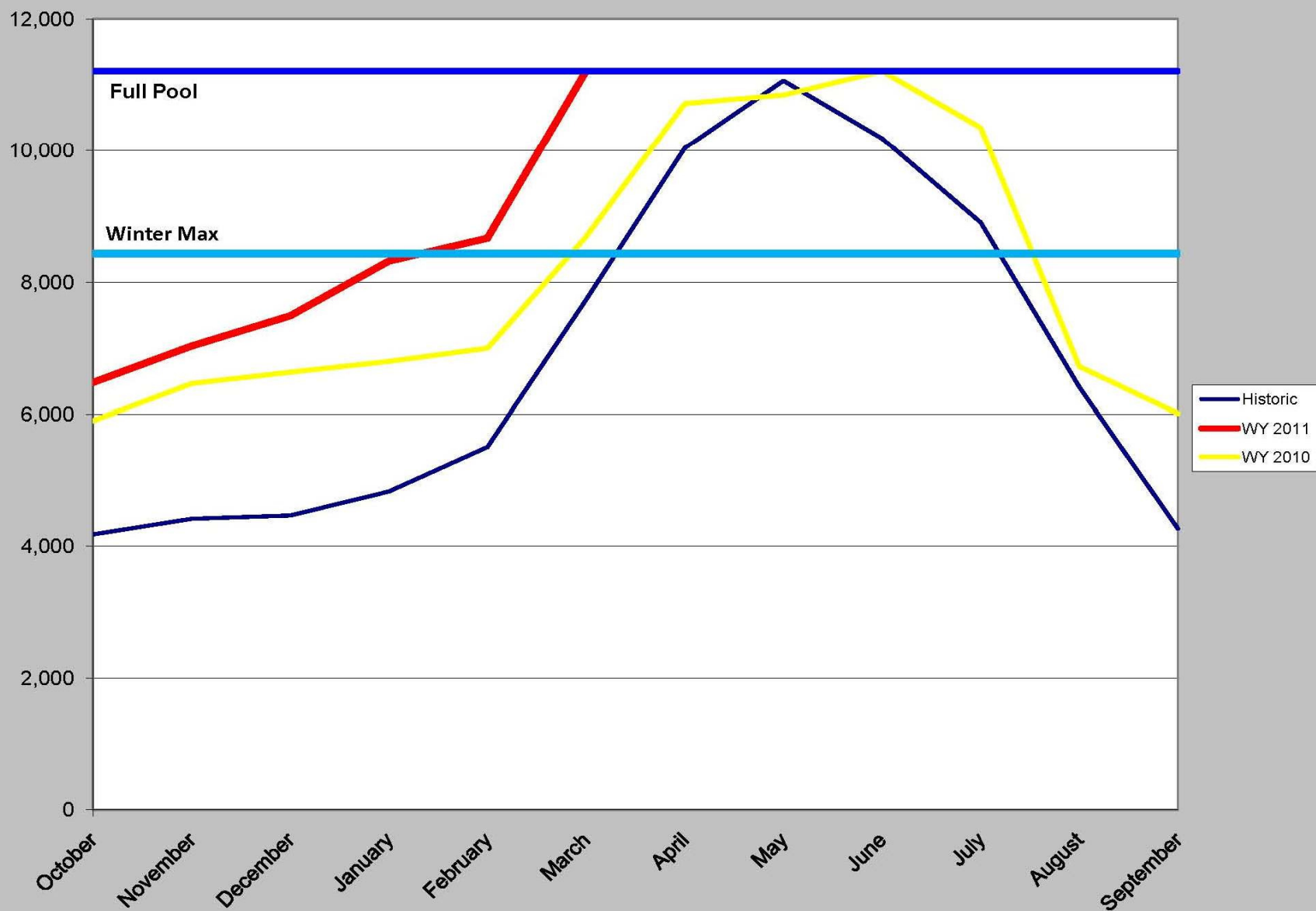
Nevada Creek Dam

Reservoir Surface Area: 368 acres at full pool

Provides full service irrigation water for 1000 acres and supplemental water for 10,000 acres in the area between Helmville and Ovando Mt.

Nevada Creek Reservoir

(Historic, WY 2010, and WY 2011)





West Fork of the Bitterroot Dam (Painted Rocks Dam)

Total Capacity:	32,362 AF
Location:	30 miles SW of Darby Mt.
Operated By:	The Painted Rocks Water Users Association



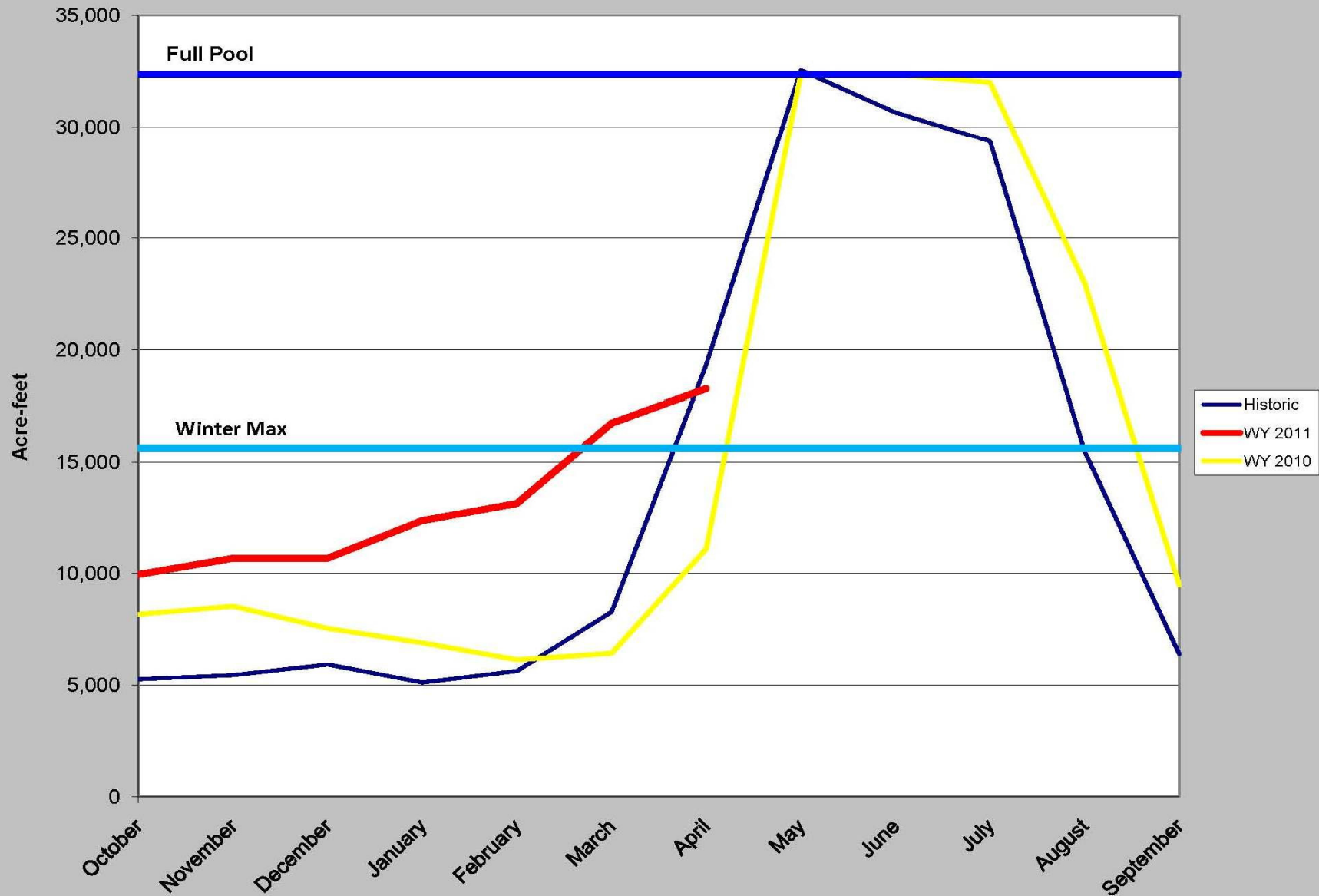
West Fork of the Bitterroot Dam (Painted Rocks Dam)

Reservoir Surface Area: 655 acres at full pool

Provides 10,000 AF of supplemental irrigation water for over 25,000 acres in the Bitterroot Valley and 15,000 AF of water for instream flows in the Bitterroot River for fisheries habitat enhancement.

Painted Rocks Reservoir

(Historic, WY 2010 and WY 2011)



STATE WATER PROJECTS BUREAU

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS				% CAPACITY	%AVERAGE
		AVERAGE	Last Year	Last Month	PRESENT		
	Full Pool Contents	1960 - 2010	3/31/2010	2/28/2011	3/31/2011	3/31/2011	3/31/2011
ACKLEY	6,140	3,186	4,132	4,029	4,215	69	132
BAIR	7,300	4,306	4,643	5,750	6,212	85	144
CATARACT	1,478	407	526	276	300	20	74
COONEY	28,230	20,914	20,240	18,956	22,055	78	105
COTTONWOOD	1,900	1,460	1,542	1,384	1,940	102	133
DEADMAN'S BASIN	75,968	48,258	49,050	65,107	65,810	87	136
E.F. ROCK CREEK	16,040	9,349	12,850	11,769	12,183	76	130
FRENCHMAN	2,777	1,579	1,300	2,777	2,777	100	176
MARTINSDALE	23,348	9,002	17,366	18,080	17,793	76	198
MIDDLE CREEK	10,184	6,325	6,677	6,566	6,374	63	101
NEVADA CREEK	11,207	7,733	8,690	8,665	11,207	100	145
NILAN	10,992	6,664	9,130	7,338	7,637	69	115
N.FK. SMITH RIVER	11,406	6,993	7,409	8,500	8,549	75	122
RUBY RIVER	36,633	30,960	30,365	29,347	32,933	90	106
TONGUE RIVER	79,071	47,759	56,674	54,089	57,584	73	121
W.F. BITTERROOT	32,362	8,276	6,426	13,139	16,731	52	202
WILLOW CREEK	18,000	16,401	15,212	15,411	16,000	89	98
YELLOWATER	3,842	1,066	1,630	2,268	2,000	52	188

Summary

- **State Water Project (SWP) reservoir contents based on storage reported at the end of March.**
- **Adequate winter carryover storage gave the SWP reservoirs a head start going into water year 2011.**
- **The majority of SWP reservoirs started Water Year 2011 with average or above average reservoir contents.**

Summary

- **Currently 14 of 18 SWP reservoirs have higher storage levels than this time last year.**
- **Late spring snows have increased snow pack levels well above normal in most areas and have increased the water supply outlook.**
- **Due to a cooler spring the bulk of the snow melt has yet to occur. However, most of the SWP reservoirs are expected to fill.**